BMP Implementation Trend Analysis: June 2004

BMP Implementation is a measure of the attempt to implement best management practices to the standards described in VDOF technical guidance. The question asked is: Were all necessary best management practices applied to technical specifications as expressed in the Virginia Department of Forestry BMP manual (yes or no)? Implementation of all necessary best management practices, to the standards described in VDOF technical guidance, yields a positive evaluation (yes) in this category. Only those BMP necessary for the site under consideration need be applied to VDOF standards in order to receive a positive (yes) evaluation.
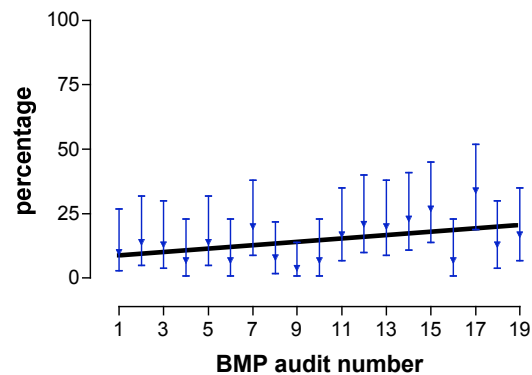
The table below lists the percentage of sampled sites that received a positive evaluation (yes) in the BMP implementation category. These data and confidence intervals are plotted on the graph. The black trend line shows that BMP implementation has increased over time.[1]

BMP Implementation Trend: $r^2 = 0.2137$, deviation of the regression line from 0 slope is significant.

BMP Implementation Trend

Date	Percentage	Upper 95% CI	Lower 95% CI
Nov-93	10%	27%	3%
Jun-94	14%	32%	5%
Nov-94	13%	30%	5%
Jun-95	7%	23%	1%
Dec-95	14%	32%	5%
Jun-96	7%	23%	1%
Nov-96	20%	38%	9%
Jun-97	8%	22%	2%
Nov-98	4%	13%	0%
Oct-99	7%	23%	1%
Jun-00	17%	35%	7%
Nov-00	21%	40%	10%
Jul-01	20%	38%	9%
Nov-01	23%	41%	12%
Jun-02	27%	45%	14%
Nov-02	7%	23%	1%
Jun-03	34%	53%	20%
Nov-03	13%	30%	5%
Jun-04	17%	34%	7%

BMP Implementation Time Series data

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[1] A linear regression of these data yields a positive, upward sloping, trend that is statistically significant, as represented by the black line. This means that the slope upward of the regression line is statistically different from a line with a zero slope.